

In the Specification:

On page 11, after line 31, insert as a paragraph

FIG. 12 is a graph illustrating determination of the central direction defined by angular deviations from horizontal and vertical axes of the CCD cameras.

On page 13, in the paragraph from lines 25-29, please amend as follows:

In this configuration, the arm portions R3 have shoulder joints 31R(L), 32R(L) and 33R(L), an ~~an~~ knee elbow joint 34R(L), an arm joint 35R(L) and a wrist joints 36R(L). The shoulder joints 31 to 33R (L) and the ~~knee elbow~~ joint 36R(L) are linked by an over arm 54R(L) and the ~~knee elbow~~ joint 34R(L) and the wrist joint 36R(L) are linked by the underarm 554(L).

On page 13, in the paragraph starting at line 32, continuing to page 14 through line 9, please amend as follows:

The head portion R4 has a neck joint 41 that changes the tilt angle of the head R4 and another neck joint 42 to change the pan. The head portion has fisheye lenses 43a and CCD cameras 43 that have the fisheye lenses 43a placed in the left hand side and the right hand side. The CCD camera 43 can observe 180 degree views in front of the head R4 in the horizontal plane. It is possible to rotate the CCD cameras 43 to change the direction the viewing angle by the neck ~~ankles~~ joints 41 and 42. In other words, CCD cameras 43 works as the observing cameras

by which the target images are taken and the neck joints 41 and 42 correspond to the observing camera rotating device.

On page 16, in the paragraph starting at line 7, continuing through line 13, please amend as follows:

According to the information of these sensors, the robot R can grasp the position in the three dimensional space. Therefore, in robot R, coordinates of the image are linked to three-dimensional coordinates that the robot R has. Therefore, the position in the image of the image taken by the CCD cameras and the 3D position of the robot R is linked together. The walking action control of the robot is realized by the publicized technology that the present application filed in JP, 10-217161, A (1998).

On page 32, in the paragraph starting at line 31 and ending at line 32, please amend as follows:

In accordance with the position of the balloon BL, the following 1) to [[3]]  
5) processes are determined.